Name: _____

Grade: _____

Parent Signature: _____

Agriculture and Natural Resources: Animal Science Program

Career Pathway Plan of Study for ▶ Learners ▶ Parents ▶ Counselors ▶ Teachers/Faculty

This Career Cluster Plan of Study (based on the Animal Science Program of the Agriculture and Natural Resources Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. *This Plan of Study, used for learners at Ponaganset High School is customized with course titles and appropriate high school graduation requirements as well as career program requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts (4 credits)	Math (4 credits = 3 + 1 math-related)	Science (3 credits; 3 lab sciences for 4 year college)	Social Studies/ Sciences (3 credits)	Physical Education/Health (2 credits = 0.5 x 4 years)	Other	Scheduling Notes	SAMPLE Occupations Relating to This CTE Program
GRADUATION REQUIREMENTS	9	English 9 CP/H **OR** Humanities English CP/H (1 credit)	Algebra I CP **OR** Alg II CP/H (1 credit)	Biology CP/H (1 credit)	Topics in Social Studies CP/H or other SS elective (1 credit)	Physical Education/Health 9/10 (0.5 credit)	Spanish I or Chinese I (1 credit) Required for 4 yr. college students		**Occupations Requiring Postsecondary Education** ▶ Animal Caretaker - Poultry Manager ▶ Aquaculturalist ▶ Artificial Insemination Technician ▶ Dairy Producer ▶ Equine Manager ▶ Feed Sales Representative ▶ Livestock Buyer ▶ Livestock Inspector ▶ Livestock Producer ▶ Veterinary Assistant
	10	English 10 CP/H (1 credit)	Geometry CP/H **OR** Algebra II CP (1 credit)	Physical Science CP/H (1 credit)	U.S. History CP/H/EEP/AP (1 credit)	Physical Education/Health 9/10 (0.5 credit)	Spanish II or Chinese II (1 credit) Required for 4 yr. college students		
	11	English 11 CP/H **OR** AP Language (1 credit)	Algebra II CP **OR** PreCalc CP/H **OR** Stats (1 credit)	Chemistry **OR** Physics CP/H (1 credit)	Twentieth Century CP/H or other SS elective (1 credit)	Physical Education/Health 11/12 or Strength Training (0.5 credit)	Spanish III or Chinese III (1 credit) Recommended for many 4 yr. college students		
		College Placement Assessments-Academic/Career Advisement Provided							
	12	English 12 CP/H **OR** AP Literature (1 credit)	PreCalculus, Principles of Stas, AP Statistics, Personal Finance, AP Calculus or math-related course	Chemistry/Physics/ AP Environmental/ AP Chemistry/AP Biology (1 credit)	Elective: Economics, US/Global Affairs, Sociology, etc.	Physical Education/Health 11/12 or Strength Training (0.5 credit)	Spanish IV H/EEP or Chinese IV (1 credit) Recommended for some 4 yr. college students		
	PLAN of STUDY: Program Courses and Additional Electives					**TOTAL CREDITS**		**SCHEDULING REMINDERS**	**Occupations Requiring Baccalaureate Degree** ▶ Agricultural Educator ▶ Animal Nutritionist ▶ Livestock Geneticist ▶ Meat Science Researcher ▶ Physiologist ▶ Wildlife Biologist ▶ USDA Inspector ▶ Veterinarian
CAREER RELATED ELECTIVES	9	Animal Systems I (0.5 credit) **AND** Wildlife or Aquaculture (0.5 credit)	Mandatory for the Program				Fine Art elective (0.5 credits)	*All plans of study need to meet learner's career goals and program requirements. *All course selections should meet required annual credit maximum. *All course requests are utlized to build the master schedule for the following school year. *Please be sure to select the appropriate courses at the time of registration. *Participation in FFA and appropriate work-based learning activities to support and reinforce classroom and laboratory learning is recommended for all students.	
	10	Animal Systems II (1 credit)	Mandatory for the Program						
	11	Animal Systems III (1 credit)	Mandatory for the Program						
	12	Animal Systems IV (1 credit)	Must take a minimum of 3 years of Animal science courses - 4 is recommended.	**RECOMMENDED COURSES:** Agricultural Tech & Sustainability; Math for Industry; Alg II with Financial Applications; College Writing.					